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PATENT APPLICATION

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

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MDJ
5.2.03

In Re U.S. Patent Application)

Applicant: Sato et al.)

Serial No. 09/581,468)

Confirmation No.: 9963)

Filed: June 12, 2000)

For: MAGNETIC SENSOR,)
MAGNETIC HEAD,)
MAGNETIC ENCODER AND)
HARD DISK DEVICE)

Art Unit: 2653)

Examiner: Blouin, Mark S.)

I hereby certify that this paper is being deposited with the
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April 24, 2003

Date
F-CLASS WCM

Appr. February 20, 1998

Registration No. 47,954
Attorney for Applicant

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AMENDMENT B

Box RCE
Commissioner for Patents
Washington, D.C. 20231

Dear Sir:

In response to the final Office Action mailed January 24, 2003 and in
conjunction with the concurrently-filed Request for Continued Examination, please amend
the above-identified Application as follows: